

ART. XVI.—*On the Ventilation of Ships.* BY WILLIAM WALKER, ESQ.

[Read on 24th October, 1870.]

In this paper it was proposed to fix eight-inch galvanised iron pipes fore and aft under the upper deck, and on each side of the central portion. These pipes to be freely pierced with slot holes, six by one and a-half inches in size, and to terminate in the ship's galley and aft deck galley furnaces, to secure a strong upcast draft, with modifications according to circumstances.

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ART. XVII.—*A Proposition for the Improvement and Extension of the Wharfage Accommodation on the Yarra River.* By M. ADOLPHE CARANDAL, C.E. France.

[Read 14th November, 1870.]

The proposition embodied in this paper was, that embankments and wharves should be constructed on both sides of the River upon the monolith plan, by a combination of M. Coignet's system of "Béton Agglomérés," with a process patented in Melbourne by the author, for the manufacture of brick and artificial stone from any kind of soil containing a little clay. The earth excavated was proposed to be used as the principal ingredient in the bricks to be used, as well as in the béton, which it was stated would be in solidity and durability second only to good granite or bluestone. The great rapidity with which the material could be prepared and used was one strong ground of recommendation.

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ART. XVIII.—*Paper upon Colonial Timber Trees, and some European Trees, which have been proved to be suitable to the Colony of Victoria.* By F. C. CHRISTY, ESQ.

[Read 4th October, 1870.]

I have ventured to write a short paper upon some of the useful timber trees indigenous to this colony, and have added a few remarks relative to some European trees which have come under my notice as being particularly adapted to this climate.

As the object of this paper is to supply information of a practical rather than of a scientific character, I shall confine